

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1-4. (Cancelled)

5. (Currently Amended) The A centrifugal fan as recited in Claim 4, wherein comprising:

a rotary shaft;

an electric motor configured to rotate said rotary shaft;

a main plate having a cooling air hole and being coupled to and rotationally driven by said rotary shaft;

a plurality of blades provided on the surface of said main plate on a side opposite said electric motor and positioned radially outward from said cooling air hole, said main plate and said blades being configured to suck in air from a rotary shaft direction and blow air out in a direction that intersects said rotary shaft;

an air guide coupled to said main plate for rotation therewith proximate said cooling air hole such that, after a portion of the blown out air has been guided to the vicinity of said electric motor and has cooled said electric motor, guides the air flow so that it is blown out toward the side of said main plate in the counter rotational direction when blown out from said cooling air hole to the side of said main plate opposite said electric motor;

a cover being coupled to said rotary shaft for rotation with said main plate covering said cooling air hole from the side opposite said electric motor, and being provided to rotate integrally with said main plate;

said air guide being formed between said cover on an electric motor side thereof, and said main plate on the side opposite said electric motor, and

said air guide has having a blade shape inclined rearwards in the rotational direction of said cover.

6. (Previously Presented) The centrifugal fan as recited in Claim 5, wherein said air guide has a volute blade shape.

7-10. (Cancelled)

11. (Previously Presented) The centrifugal fan as recited in Claim 5 wherein said air guide is formed in said cover.

12. (Previously Presented) The centrifugal fan as recited in Claim 6 wherein said air guide is formed in said cover.

13. (Cancelled)

14. (Currently Amended) ~~The~~ An air conditioner as ~~recited in Claim 13~~
~~wherein comprising:~~

a centrifugal fan having:

a rotary shaft,

an electric motor configured to rotate said rotary shaft,

a main plate having a cooling air hole and being coupled to and rotationally
driven by said rotary shaft,

a plurality of blades provided on the surface of said main plate on a side
opposite an electric motor and positioned radially outward from said
cooling air hole, said main plate and said blades being configured to
suck in air from a rotary shaft direction and blow air out in a direction
that intersects said rotary shaft,

an air guide coupled to said main plate for rotation therewith proximate said
cooling air hole such that, after a portion of the blown out air has been
guided to the vicinity of said electric motor and has cooled said electric
motor, guides the air flow so that it is blown out toward the side of said
main plate in the counter rotational direction when blown out from said
cooling air hole to the side of said main plate opposite said electric
motor, and

a cover being coupled to said rotary shaft for rotation with said main plate
covering said cooling air hole from the side opposite said electric

motor, and being provided to rotate integrally with said main plate and
said air guide is formed between said cover and said main plate;
a heat exchanger arranged on the outer peripheral side of said centrifugal fan; and
a casing housing said centrifugal fan and said heat exchanger,
said air guide being formed between said cover on an electric motor side thereof, and
said main plate on the side opposite said electric motor, and
said air guide has having a blade shape inclined rearwards in the rotational direction
of said cover.

15. (Currently Amended) The air conditioner as recited in Claim 14 ~~Claim 13~~
wherein
said air guide has a volute blade shape.

16. (Currently Amended) The air conditioner as recited in Claim 14 ~~Claim 13~~
wherein
said air guide is formed in said cover.

17. (Previously Presented) The air conditioner as recited in Claim 15 wherein
said air guide is formed in said cover.

18. (Cancelled)